



TECHNICAL DATASHEET

Circular Explosion Venting Panel for Dust and Gas Applications PSC

DonadonSDD PS/C circular vent panels are composite tension panels composed of three parts:

- a calibrated metal part
- a seal membrane (usually in PTFE)
- a metal protection section

Vacuum supports are also available.

Explosion vent panels are suitable for use with gas and/or dust in static, pulsating and cyclic conditions. They usually have very low vent pressures (standard 0.1 bar g). Panels are mainly fitted to dust manifolds, dryers, troughs, silos, separators, mixers, boosters, air purifiers, sieves and filters.

They can be fitted between welded frames or non-machined profiles in carbon or stainless steel. Machined frames or expensive containers are not necessary. Panels can be supplied in ATEX (PS/EX) execution and EX II GD and EX II D certified. They can therefore be installed in locations with presence of explosive atmospheres (zones classified as category 0, 20, 1, 21, 2, and 20 according to European Directive ATEX 2014/34/UE).

TECHNICAL DATA

MODEL	PSC
MATERIALS	Stainless steel
SEAL MEMBRANE	PTFE
DIMENSIONS	Min DN 250 - Max DN 900
RUPTURE PRESSURE	0.1 bar g
TOLERANCE	from +/- 10 % to +/- 20%
OPERATING TEMPERATURE	Up to 260°C
OPERATING MARGIN	50%-70%
VACUUM SUPPORT	Available
FRAGMENTATION	No (membrane only)
CORROSION RESISTANCE	Good - can be protected with a PTFE membrane
RUPTURE INDICATORS	Electrical , Inductive
LININGS	Yes

PERFORMANCE ATTRIBUTES

PROCESS MEDIA

Operation Ratio	Non Fragmenting	Vacuum Resistant	Sanitary
 50% - 70%	 yes (membrane only)	 yes, Vacuum Support Available	 no

CERTIFICATIONS

